

FULL PRESSURE SUIT TEST LOG

SUBJECT # 1051
 SUIT # -3
 OUTER GARMENT W/FLOAT GEAR -3 EYE
 HELMET # 298
 GLOVES # ~~2~~ -2
 BOOTS -1

FLIGHT DATE 10 Dec 67
 DON
 DOFF
 TIME IN SUIT
 TECHNICIAN 25X1A

PRESS-TO-TESTPRE-FLIGHTSUBJECT TESTPOSTFLIGHTSYSTEM #1

Max Pressure

112106106

Differential

1.41.51.4

Leak Rate

12004001000SYSTEM #2

Max Pressure

107120112

Differential

1.41.51.4

Leak Rate

1200450350

Unpress Leak Rate

300450300

Face Rest

17.5

Comm and Cord

✓

Pencils

✓

Knife

✓

Controller Number

73

Packet

✓

Grease Zippers

✓ Check Location of CO₂

Pressure Tap Screws

 ✓

PRESSURE SUIT HOOK-UP CHECKLIST

1. Packet in pocket.
2. Stirrups secured.
3. Foot rest guards over seat foot rests.
4. Communications secured and functioning.
5. Face heat ON (LOW).
6. Oxygen hoses secured in QD.
7. Three harness snaps secured - harness adjusted and surplus stowed.
8. Kit adjusted and surplus stowed.
9. Two (2) bailout hoses secured.
10. Lap belt, shoulder harness, key, secured and adjusted. (VELCRO TAPE SECURED)
11. Oxygen hoses under right leg strap, chest strap under helmet hold-down.
12. Emergency oxygen lanyard secured and pin removed.
13. Green apple secured.
14. Red knob secured, guard removed.
15. Manual over-ride handle secured.
16. Two (2) Rocket-Jet releases secured.
17. Press-to-test both O2 Systems, (LOW pressure-#1 Sys 95/100 #2 Sys 65/75).
18. Check face heat.
19. Re-adjust lap belt.
20. Kit lanyard secured to D-Ring, under Lap Belt.
21. Parachute beacon; AUTOMATIC (), UNSNAPPED (↔), SNAPPED ().
22. Departing LOX quantity, #1 System 9.5 #2 System 9.25 TIME 1125.
23. Returning LOX quantity, #1 System 9.4 #2 System 9.25 TIME 1210.

SUBJECT

51

AIRCRAFT NUMBER

27

TECHNICIAN

[Redacted]

DATE OF FLIGHT

10 Dec 67

25X1A

EQUIPMENT PREFLIGHT FOR HIGH FLIGHT

PARACHUTE:

1. ✓ Ripcord pins seated (main and first stage).
2. ✓ Check power cable linkage.
3. ✓ Pack opening elastics secured.
4. ✓ First stage jettison mated and pins secured.
5. ✓ Two (2) rocket jet units secured.
6. ✓ Manual over ride handle secured.
7. ✓ Green apple secured.
8. ✓ Red knob secured, guard installed.
9. ✓ Bailout hoses adjusted for HIGH flight.
10. ✓ Bailout hose connectors operating.
11. ✓ Bailout hose safety clip lanyard checked.
12. ✓ Harness adjusted for HIGH flight.
13. ✓ Automatic openers - triggered and reset.
14. ✓ Aneroids (sea level to 7500').
15. ✓ Bailout cylinder pins secured.
16. ✓ Bailout cylinder pressure #1 1800 #2 1800.
17. ✓ Communication cord secured to chute.
18. ✓ Visual inspection completed.
19. ✓ Faceheat battery pack checked.

SURVIVAL KIT:

1. ✓ Yellow handle secured.
2. ✓ Trigger clearance.
3. ✓ Kit disconnects secured.
4. ✓ Lid secured.
5. ✓ Visual condition.

INSTALLATION:

1. ✓ Shoulder harness installed.
2. ✓ Vent hose secured at disconnect.
3. ✓ Kit secured to chute, loose.
4. ✓ Emergency oxygen lanyard secured to chute with pin installed.
5. ✓ Communication cord secured at disconnect.
6. ✓ Vent hose secured to chute.
7. ✓ Pin secured in QD and safetied.
8. ✓ Oxygen system low pressure #1 80/70 #2 80/70.
9. ✓ Pip pin in "D" ring.
10. ✓ Stirrup cables extended and operating freely.
11. ✓ Foot rest guards over seat foot rest.

SUBJECT# 51 AIRCRAFT # 27 PARACHUTE # 106 SEAT KIT # 57

TYPE CUSHION 5817 DATE 10 Dec 67 VENT HOSE # 73 TECHNICIAN ph

PHYSIOLOGICAL SUPPORT DEBRIEFING

25X1A

DATE 10 Dec 1967 ACFT 31 PILOT TIME IN FLIGHT 4:00 TIME IN SUIT 5:00 PREBREATHING TIME 1:00

SATISFACTORY

UNSATISFACTORY

1. PHYSICAL CONDITION (PILOT)

2. SURVIVAL KIT AND CUSHION

3. PARACHUTE #125 Pins 4

4. HELMET - 1

A. REFLECTIONS

B. FACE HEAT

C. COMMUNICATIONS

5. SUIT PROPER - 4

A. CABIN DECOMPRESSION: YES NO

6. OUTER GARMENT - 4

7. BOOTS AND SPURS - 2 4 D.

8. GLOVES - 4

9. OXYGEN SYSTEM

DEPART		RETURN	
TIME	AMT	TIME	AMT
#1	1025 9.5	1500	8.0
#2	1025 9.5	1500	9.0

10. MISCELLANEOUS

11. EVALUATION ITEMS

25X1A

A.

B.

C.

D.

E.

12. REMARKS: (EXPLAIN UNSATISFACTORY REPORT)

PHYSIOLOGICAL SUPPORT DEBRIEFING

25X1A

DATE 10 Dec 1969 ACFT 31 PILOT
TIME IN FLIGHT 4:00 TIME IN SUIT 5:00 PREBREATHING TIME 1:00

SATISFACTORY

UNSATISFACTORY

1. PHYSICAL CONDITION (PILOT)

2. SURVIVAL KIT AND CUSHION

3. PARACHUTE #125 Pine H.4. HELMET -1

A. REFLECTIONS

B. FACE HEAT

C. COMMUNICATIONS

5. SUIT PROPER -4A. CABIN DECOMPRESSION: YES NO6. OUTER GARMENT -47. BOOTS AND SPURS -2 A.D.8. GLOVES -4

9. OXYGEN SYSTEM

DEPART

RETURN

TIME

AMT

TIME

AMT

#1 1025 9.5 1500 8.0#2 1025 9.5 1500 9.0

10. MISCELLANEOUS

11. EVALUATION ITEMS

A.

B.

C.

D.

E.

12. REMARKS: (EXPLAIN UNSATISFACTORY REPORT)

25X1A

* * * TOP SECRET * * *

BX-6738

DCOL CHECK LIST

* DENOTES MANDATORY CALL TO COM AND POST UPON COMPLETION

H-24:00 TO H-23:30: SECURE SUITS, CHUTES, KITS AND VENT UNITS: 1100-1130
 DESIGNATE LIFE SUPPORT TECHNICIANS:
 A/C 31-50 P.....
 A/C 27-51 S..... 1130

H-23:30: ATTEND COMMANDERS BRIEFING:.....
 SUBMIT HANGAR ACCESS ROSTER, 5 CYS 1-MC 3-SECURITY 1-DCOL.....
 SUBMIT RECOVERY ROSTER, 3 CYS 1-MC 1-ADMIN 1-DCOL.....

H-22:00 TO H-17:00: PREFLIGHT:
 BOTH SUITS (EA PILOT)..... 1300-1800
 PARACHUTE AND EMERGENCY O2 SYSTEMS.....
 SEAT KIT COMPONENTS.....
 SUIT ROOM VENT.....
 LOX VENT UNIT.....
 OXYGEN CYLINDERS.....
 TEST EQUIPMENT.....
 TRANSPORT VANS.....

H-21:00: NOTIFY SECURITY, SEAT KIT AVAILABLE FOR PACKING:..... 1400
 H-3:00 TO H-1:40: PREPARE PREBREATHING ROOM FOR RECEIPT OF PILOT:..... 0800-0920
 H-2:00 PERSONALLY CHECK WITH MISSION COORDINATOR AT C.P. TO VERIFY NAMES OF
 PRIMARY AND SPARE PILOTS AND AIRCRAFT:
 P.....
 S.....

INSTALL SEAT KIT AND PARACHUTE:.....
 H-2:00: RECEIVE PACKET FROM INTELLIGENCE:..... 0900
 H-1:45 TO H-1:30: SECURITY INSPECTS SUITS:..... 0915
 H-1:20 TO H-1:10: FLIGHT SURGEONS MEDICAL IN DCOL:..... 0940-0950
 H-1:10 TO H-1:00: DRESS PILOT, PRESSURE CHECK EQUIPMENT:..... 0950-1000
 H-0:50 TO H-0:45: TRANSPORT TO AIRCRAFT:..... 1010-1015
 *H-0:45 TO H-0:35: PILOT HOOKUP AND SUIT A/C CHECK:..... 1015-1025
 H-0:35 TO TAKEOFF: STANDBY IN DCOL AND PACK LOW RECOVERY EQUIPMENT:..... 1025
 LANDING: REMOVE PILOT, TRANSPORT PILOT BACK TO DCOL, DESUIT PILOT:.....
 DEBRIEF PILOT, EVALUATE AND CHECK RELIABILITY OF EQUIPMENT:.....
 POST-FLIGHT EQUIPMENT:.....

* * * TOP SECRET * * *

FULL PRESSURE SUIT TEST LOG

SUBJECT # 1050
 SUIT # 4
 OUTER GARMENT W/FLOAT GEAR 4
 HELMET # 1
 GLOVES # 4
 BOOTS 2

FLIGHT DATE 10 Dec 67DON 1000DOFF 1500TIME IN SUIT 5+00TECHNICIAN

25X1A

<u>PRESS-TO-TEST</u>	<u>PRE-FLIGHT</u>	<u>SUBJECT TEST</u>	<u>POSTFLIGHT</u>
<u>SYSTEM #1</u>			
Max Pressure	<u>110</u>	<u>110</u>	<u>114</u>
Differential	<u>1.3</u>	<u>1.4</u>	<u>1.3</u>
Leak Rate	<u>550</u>	<u>1400</u>	<u>1200</u>
<u>SYSTEM #2</u>			
Max Pressure	<u>120</u>	<u>120</u>	<u>120</u>
Differential	<u>1.3</u>	<u>1.4</u>	<u>1.3</u>
Leak Rate	<u>500</u>	<u>500</u>	<u>800</u>
Unpress Leak Rate	<u>500</u>	<u>400</u>	<u>600</u>
Face Heat	<u>18</u>		
Comm and Cord	<u>OK</u>		
Pencils	<u>✓</u>		
Knife	<u>✓</u>		
Controller Number	<u>76</u>		
Packet	<u>✓</u>		
Grease Zippers	<u>✓</u>		
Check Location of CO ₂	<u>✓</u>		
Pressure Tap Screws	<u>✓</u>	<u>✓</u>	

Approved For Release 2002/06/10 : CIA-RDP69B00041R001300010011-2
FULL PRESSURE SUIT TEST LOG

SUBJECT # 1050
SUIT # - 3
OUTER GARMENT W/FLOAT GEAR - 3
HELMET # - 1
GLOVES # - 3
BOOTS

FLIGHT DATE
DON
DOFF
TIME IN SUIT
TECHNICIAN 25X1A

<u>PRESS-TO-TEST</u>	<u>PRE-FLIGHT</u>	<u>SUBJECT TEST</u>	<u>POSTFLIGHT</u>
<u>SYSTEM #1</u>			
Max Pressure	<u>109</u>	<u> </u>	<u> </u>
Differential	<u>1.3</u>	<u> </u>	<u> </u>
Leak Rate	<u>1300</u>	<u> </u>	<u> </u>
<u>SYSTEM #2</u>			
Max Pressure	<u>108</u>	<u> </u>	<u> </u>
Differential	<u>1.3</u>	<u> </u>	<u> </u>
Leak Rate	<u>1150</u>	<u> </u>	<u> </u>
Unpress Leak Rate	<u>400</u>	<u> </u>	<u> </u>
Face Heat	<u>18.2</u>	<u> </u>	<u> </u>
Combo and Cord	<u>✓</u>	<u> </u>	<u> </u>
Pencils	<u> </u>	<u> </u>	<u> </u>
Knife	<u> </u>	<u> </u>	<u> </u>
Controller Number	<u> </u>	<u> </u>	<u> </u>
Packet	<u> </u>	<u> </u>	<u> </u>
Grease Zippers	<u> </u>	<u> </u>	<u> </u>
Check Location of CO ₂	<u> </u>	<u> </u>	<u> </u>
Pressure Tap Screws	<u> </u>	<u> </u>	<u> </u>

PRESSURE SUIT HOOK-UP CHECKLIST

1. ~~P~~acket in pocket.
2. ~~S~~traps secured.
3. ~~F~~oot rest guards over seat foot rests.
4. ~~C~~ommunications secured and functioning.
5. ~~F~~ace heat ON (LOW).
6. ~~O~~xygen hoses secured in QD.
7. ~~T~~hree harness snaps secured - harness adjusted and surplus stowed.
8. ~~K~~it adjusted and surplus stowed.
9. ~~T~~wo (2) bailout hoses secured.
10. ~~L~~ap belt, shoulder harness, key, secured and adjusted. (VELCRO TAPE SECURED)
11. ~~O~~xygen hoses under right leg strap, chest strap under helmet hold-down.
12. ~~E~~mergency oxygen lanyard secured and pin removed.
13. ~~G~~reen apple secured.
14. ~~R~~ed knob secured, guard removed.
15. ~~M~~anual over-ride handle secured.
16. ~~T~~wo (2) Rocket-Jet releases secured.
17. ~~P~~ress-to-test both O2 Systems, (LOW pressure-#1 Sys 69 70 #2 Sys 70/80).
18. ~~C~~heck face heat.
19. ~~R~~e-adjust lap belt.
20. ~~K~~it lanyard secured to D-Ring, under Lap Belt.
21. ~~P~~arachute beacon; AUTOMATIC (), UNSNAPPED (X), SNAPPED ().
22. ~~D~~eparting LOX quantity, #1 System 9.5 #2 System 9.5 TIME 1025.
23. ~~R~~eturning LOX quantity, #1 System _____ #2 System _____ TIME _____.

25X1A

SUBJECT	<u>50</u>	AIRCRAFT NUMBER	<u>31</u>
TECHNICIAN	<div style="border: 1px solid black; width: 200px; height: 40px;"></div>	DATE OF FLIGHT	<u>10 Dec 67</u>

EQUIPMENT PREFLIGHT FOR HIGH FLIGHT

PARACHUTE:

1. ✓ Ripcord pins seated (main and first stage).
2. ✓ Check power cable linkage.
3. ✓ Pack opening elastics secured.
4. ✓ First stage jettison mated and pins secured.
5. ✓ Two (2) rocket jet units secured.
6. ✓ Manual over ride handle secured.
7. ✓ Green apple secured.
8. ✓ Red knob secured, guard installed.
9. ✓ Bailout hoses adjusted for HIGH flight.
10. ✓ Bailout hose connectors operating.
11. ✓ Bailout hose safety clip lanyard checked.
12. ✓ Harness adjusted for HIGH flight.
13. ✓ Automatic openers - triggered and reset.
14. ✓ Aneroids (sea level to 7500').
15. ✓ Bailout cylinder pins secured.
16. ✓ Bailout cylinder pressure #1 1800 #2 1800.
17. ✓ Communication cord secured to chute.
18. ✓ Visual inspection completed.
19. ✓ Faceheat battery pack checked.

SURVIVAL KIT:

1. ✓ Yellow handle secured.
2. ✓ Trigger clearance.
3. ✓ Kit disconnects secured.
4. ✓ Lid secured.
5. ✓ Visual condition.

INSTALLATION:

1. ✓ Shoulder harness installed.
2. ✓ Vent hose secured at disconnect.
3. ✓ Kit secured to chute, loose.
4. ✓ Emergency oxygen lanyard secured to chute with pin installed.
5. ✓ Communication cord secured at disconnect.
6. ✓ Vent hose secured to chute.
7. ✓ Pin secured in QD and safetied.
8. ✓ Oxygen system low pressure #1 80/70 #2 80/70.
9. ✓ Pip pin in "D" ring.
10. ✓ Stirrup cables extended and operating freely.
11. ✓ Foot rest guards over seat foot rest.

SUBJECT# 50 AIRCRAFT # 31 PARACHUTE # 125 SEAT KIT # 50

TYPE CUSHION SBM DATE 10 Dec 67 VENT HOSE # 76 TECHNICIAN

25X1A

Approved For Release 2002/06/10 : CIA-RDP69B00041R001300010011-2

25X1A

Approved For Release 2002/06/10 : CIA-RDP69B00041R001300010011-2

MISSION PILOTS ACTIVITY SCHEDULE FOR OPERATIONAL MISSION

BX 6738

H-HOUR TIME PRIMARY	LOCAL TIME PRIMARY	H-HOUR TIME SPARE	LOCAL TIME SPARE	ITEM	LOCATION
H -22:30	<u>1230</u>			Pre-Mission Physical Exam	Flt Surg
H -21:30	<u>1330</u>			Eating	A/C Mess
H -20:30	<u>1430</u>			Recreation activities as scheduled	Selected Area
H -18:30	<u>1700</u>			Intelligence Review	DCOMI
H -17:00	<u>1800</u>			Initial Brief & Recreation	DCO Brief Rm
H -14:00	<u>2100</u>			Eating	A/C Mess
H -13:00	<u>2200</u>			Crew Rest	Asgd House
H -4:00	<u>0700</u>			Wake/up Psychological Ck	Asgd House/ Crew Mess
H -3:30	<u>0730</u>			Final Briefing	DCO Brief Rm
H -2:30	<u>0830</u>			Breakfast	A/C Mess
H -1:20	<u>0940</u>	H 1:20	<u>0940</u>	Final Physical Evaluation	DCOL
H -1:10	<u>0950</u>	H -1:10	<u>1050</u>	Suiting	DCOL
H -:50	<u>1010</u>	H +:10	<u>1110</u>	Leave Ops	Transport Van
H -:45	<u>1015</u>	H +:15	<u>1115</u>	Arrive Aircraft	Hangar
H -:30	<u>1030</u>	H +:30	<u>1130</u>	Start Engine	Hangar
H -:20	<u>1040</u>	H +:40	<u>1140</u>	Taxi	Aircraft
H -:05	<u>1055</u>	H +:55	<u>1155</u>	Trim Engine	Aircraft
H -:00	<u>1100</u>	H +1:00	<u>1200</u>	Take Off	Aircraft
L +:25				Post Mission Physical	DCOL
L +:45				Ops Debrief	DCO Brief Rm
L +1:00				Mission Debrief	DCO Brief Rm
L +3:30				Released	

Revised 20 Aug 67

Approved For Release 2002/06/10 : CIA-RDP69B00041R001300010011-2

25X1A

Approved For Release 2002/06/10 : CIA-RDP69B00041R001300010011-2

SECRET

FROM: Mission Coordinator

9 DEC 1967

SUBJECT: Mission Alert Notification

TO: (See Below)

Request your attendance at the Commander's Briefing to be held
in the Operations Briefing Room on 9 DEC 1967 at
1130 L.

FOR THE COMMANDER
Mission Coordinator

Office	Time(L)	Recipient	Office	Time(L)	*Recipient
CMDR			DCOL		
DCO			DCOC/MC		
DCM			DCOMI		
DCS			DCOW		
SECUR.			COMMO		
FLTSURG			AFCS		(Notify Only)
DCOM			TTFC(SAC)	<u>0645</u>	(Notify Only)

SECRET

BX 6738

25X1A

P/P



PAC 131

S/P



SAC 127

25X1A